

A1  
8.(Amended) The power-assisted bicycle as claimed in claim 1, wherein said detection system detects a relative position relationship between at least two parts structuring said one-way clutch system as said physical amount.

9.(Amended) The power-assisted bicycle as claimed in claim 1, wherein said detection system detects a variation in pressure in resistance to a direction of deformation of said one-way clutch system as said physical amount.

A2  
24.(Amended) The power-assisted bicycle as claimed in claim 22, wherein said plurality of strain gauges are disposed on a surface of said disc spring in positions rotation-symmetrical to each other.

A3  
27.(Amended) The power-assisted bicycle as claimed in claim 15, wherein an offset elastic member is disposed, which deviates either one of said tooth part or said piece part so as to create a clearance between said rear face and said elastic unit, when said pedaling force is lower than a predetermined value.

A4  
31.(Amended) The power-assisted bicycle as claimed in claim 28, wherein said supporting member is mounted on said drive shaft through a bearing.

A5  
41.(Amended) The power-assisted bicycle as claimed in claim 15, wherein said ratchet piece is composed of a rigid body and arranged so that its lengthwise direction pivots about a direction at a given angle with respect to said second engagement face.

A6  
45.(Amended) The power-assisted bicycle as claimed in claim 10, wherein an elastically holding unit having elasticity for rotatably holding said sprocket on a bicycle body frame is disposed such that it resists deformation of said one-way clutch system.

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53.(Amended) The power-assisted bicycle as claimed in claim 1, wherein said assisting power is transmitted through a sprocket drive gear engaged with said sprocket.